

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria VA 22313
(703) 557-2490 FTS: 8-557-2490

Date: 9-14-87

COVER PAGE
INORGANIC ANALYSES DATA PACKAGE

Lab Name Weyerhaeuser
SOW No. 784

Case No. SAS# 3285 H
QC Report No. 16122

EPA No.	Weyco filter # 738 -	Sample Numbers	EPA No.	Weyco filter # 738 -	Lab ID No.
01A-001	170	99268	01B-002	181	99277
01B-001	171	99269	02A-002	182	99278
02A-001	172	99270	02B-002	183	99279
02B-001	173	99271	04A-002	177	99280
04A-001	174	99272	04B-002	178	99281
04B-001	175	99273	E1A-003	188	99282
04C-001	176	99274	E1B-003	189	99283
01B-001L	184	99275	E2A-003	190	99284
01A-002	180	99276	E2B-003	191	99285

Comments: per SAS - III - microquartz for metals +
gravimetric Total susp. particulates
IV - glass fiber for gravimetric
Total suspended particulates

ICP Interelement and background corrections applied? Yes X No _____

If yes, corrections applied before X or after _____ generation of raw data.

Footnotes:

NR - not required by contract at this time

Form I:

Value - If the result is a value greater than or equal to the instrument detection limit but less than the contract required detection limit, report the value in brackets (i.e., [10]). Indicate the analytical methods used with P (for ICP/Flame AA) or F (for furnace) (cold vapor = c).

U - Indicates element was analyzed for but not detected. Report with the detection limit value (e.g., 10U).

E - Indicates a value estimated or not reported due to presence of interference. Explanatory note included on cover page.

S - Indicates value determined by Method of Standard Addition.

R - Indicates spike sample recovery is not within control limits.

* - Indicates duplicate analysis is not within control limits.

+ - Indicates the correlation coefficient for method of standard addition is less than 0.995.

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2

Date: 9-14-87

COVER PAGE
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Lab Name Weyerhaeuser
SOW No. 784

Case No. SAS# 3285 H
QC Report No. 16122

EPA No.	Lab ID No.	Sample Numbers		EPA No.	Lab ID No.
		Quartz	Giberglass		
E4A-003	186	99286		64A-002L	165
E4B-003	187	99287		64A-005	193
E4C-003	185	99288		E1B-005	196
G1A-004	166	99289		E2A-005	194
G1B-004	167	99290		E2B-005	195
G2A-004	160	99291		E4A-005	192
G2B-004	161	99292		E4B-005	197
G4A-004	162	99293		E4C-005	198
G4B-004	164	99294		02A-003L	213

Comments: per SAS-TII microquartz for metals &
gravimetric total susp. particulates
IV Glass fiber for gravimetric
total suspended particulates

ICP Interelement and background corrections applied? Yes No

If yes, corrections applied before or after generation of raw data.

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3

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COVER PAGE
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Lab Name Weyerhaeuser
SOW No. 784

Case No. SAS# 3285 H
QC Report No. 16122

Quartz III	EPA No.	Weyerhaeuser filter #	738-	Sample Numbers		Weyerhaeuser filter #	738-	Lab ID No.
				Quartz	EPA No.			
	OIB-001M	199		99304		EIB-007	219	99313
	OIA-006	217		99305		E2A-007	221	99314
	OIB-006	216		99306		E2B-007	222	99315
	O2A-006	215		99307		E4A-007	223	99316
	O2B-006	214		99308		E4B-007	224	99317
	O4A-006	212		99309		E4C-007L	225	99318
	O4B-006	211		99310		GIA-005L	169	99319
	EIA-004L	220		99311		GIA-008	168	99320
	EIA-007	218		99312		GIB-008	200	99321

Comments: per SAS-III microquartz for metals +
gravimetric total susp. particulates
IV glass fiber for gravimetric
total suspended particulates

ICP Interelement and background corrections applied? Yes No

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COVER PAGE
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Lab Name Weyerhaeuser
 SOW No. 784

Case No. SAS# 3285 H
 QC Report No. 16122

<u>Glass</u> <u>IV</u>	<u>Weyco</u> <u>filter #</u>	<u>738.</u>	<u>Sample Numbers</u>	
			<u>Quartz</u> <u>III</u>	<u>Weyco</u> <u>filter #</u>
<u>EPA No.</u>	<u>Lab ID No.</u>	<u>EPA No.</u>	<u>Lab ID No.</u>	
<u>62A-008</u>	<u>201</u>	<u>99322</u>	<u>04A-009</u>	<u>230</u>
<u>62B-008</u>	<u>202</u>	<u>99323</u>	<u>04B-009</u>	<u>231</u>
<u>G4A-008</u>	<u>203</u>	<u>99324</u>	<u>04C-009 K</u>	<u>232</u>
<u>64B-008</u>	<u>204</u>	<u>99325</u>	<u>02B-002M</u>	<u>251</u>
<u>04B-006L</u>	<u>233</u>	<u>99326</u>	<u>01A-010</u>	<u>8234</u>
<u>01A-009</u>	<u>226</u>	<u>99327</u>	<u>01B-010</u>	<u>8235</u>
<u>01B-009</u>	<u>227</u>	<u>99328</u>	<u>02A-010</u>	<u>8236</u>
<u>02A-009</u>	<u>228</u>	<u>99329</u>	<u>02B-010</u>	<u>8237</u>
<u>02B-009</u>	<u>229</u>	<u>99330</u>	<u>04A-010</u>	<u>8238</u>

Comments: per SAS - III microquartz for metals &
gravimetric total susp. particulates
IV Glass fiber for gravimetric
total suspended particulates

ICP Interelement and background corrections applied? Yes X No _____

If yes, corrections applied before X or after _____ generation of raw data.

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5

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COVER PAGE
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Lab Name Weyerhaeuser
SOW No. 784

Case No. SAS# 3285 H
QC Report No. 16122

Quartz III	EPA No.	Weyco filter #	73-	Sample Numbers	
				Lab ID No.	Quartz III
	04B-010	8239		<u>99340</u>	
	04C-008L	8259		<u>99341</u>	
	01A-012	8252		<u>99342</u>	
	01B-012	8253		<u>99343</u>	
	02A-012	8260		<u>99344</u>	
	02B-012	8255		<u>99345</u>	
	04A-012	8256		<u>99346</u>	
	04B-012	8257		<u>99347</u>	
	E1B-009L	8275		<u>99348</u>	
↓					
				EIA-013	8261
				EIB-013	8262
				E2A-013	8263
				E2B-013	8264
				E4A-013	8265
				E4B-013	8266
				E4C-013K	8267
				G4B-003M	8244
				G2B-007L	8243

Comments: per SAS III microquartz for metals +
gravimetric total susp. particulates
IV Glass fiber for gravimetric
total suspended particulates

ICP Interelement and background corrections applied? Yes No

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6
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COVER PAGE
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Lab Name Weyerhaeuser
SOW No. 784

Case No. SAS# 3285 H
QC Report No. 16122

Fiberglass		Weyerhaeuser	73-	Sample Numbers	Weyerhaeuser	
EPA No.	Lab ID No.	micro quartz	III	EPA No.	Lab ID No.	
GIA-011	8206	99358		02A-014	8270	99367
GIB-011	8207	99359		02B-014	8271	99368
G2A-011	8208	99360		04A-014	8272	99369
G2B-011	8209	99361		04B-014	8273	99370
G4A-011	8240	99362		04C-014	8274	99371
G4B-011	8241	99363		GIA-015	8245	99372
G4C-011K	8242	99364		GIB-015	8246	99373
OIA-014	8268	99365		G2A-015	8247	99374
OIB-014	8269	99366		G2B-015	8248	99375

Comments: per SAS III - 71 microquartz for metals +
gravimetric total susp particulates
IV Glass fiber for gravimetric
total suspended particulates

ICP Interelement and background corrections applied? Yes No

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COVER PAGE
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Lab Name Weyerhaeuser
SOW No. 784

Case No. SAS# 3285 H
QC Report No. 16122

Sample Numbers

EPA No.	Weyerhaeuser* filter	73-	Quartz	EPA No.	Weyerhaeuser* filter	74-
G4A -015	8249	99376		E4C -016K	0113	99385
G4B -015	0100	99377		O1A -017	0115	99386
E2B -010L	0114	99378		O1B -017	0116	99387
E1A -016	8276	99379		O2A -017	0117	99388
E1B -016	8277	99380		O2B -017	0118	99389
E2A -016	8278	99381		O4A -017	0119	99390
E2B -016	8279	99382		O4B -017	0120	99391
E4A -016	40110	99383		O4A -011L	0128	99392
E4B -016	40111	99384		O1A -018	0121	99393

Comments: per SAS III-Microquartz for metals +
gravimetric total susp. particulates
IV Glass fiber for gravimetric
total suspended particulates

ICP Interelement and background corrections applied? Yes No

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8

Date: 9.14.81

COVER PAGE
INORGANIC ANALYSES DATA PACKAGE

Lab Name Weyerhaeuser
SOW No. 784

Case No. SAS# 3285 H
QC Report No. 16122

		Sample Numbers	
Quartz	EPA No.	Weyerhaeuser filter #	74- Lab ID No.
III	01B - 018	0122	99394
III	02A - 018	0123	99395
III	02B - 018	0124	99396
III	04A - 018	0125	99397
III	04B - 018	0126	99398
III	04C - 018.K	0127	99399
Quartz	GIA - 012L	0102	99400
III	01A - 004M	0129	99401
Glass	GIA - 019	0103	99402
Quartz	EPA No.	Weyerhaeuser filter #	74- Lab ID No.
III	G1B - 019	0104	99403
III	G2A - 019	0105	99404
III	G2B - 019	0106	99405
III	G4A - 019	0107	99406
III	G4B - 019	0108	99407
III	G4C - 019K	0109	99408
III	Q2A - 013L	0137	99409
III	O1A - 020	0130	99410
IV	O1B - 020	0131	99411

Comments: per SAS - III - Microquartz for metals +
gravimetric total susp. particulates
IV - Glass fiber for gravimetric
total suspended particulates

ICP Interelement and background corrections applied? Yes No

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COVER PAGE
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Lab Name Weyerhaeuser
SOW No. 784

Case No. SAS# 3285 H
QC Report No. 16122

Quartz III	EPA No.	Weyco filter #	74 - Lab ID No.	Sample Numbers			
				Quartz III	EPA No.	Weyco filter #	74 - Lab ID No.
	02A-020	0132	99412		04B-021	0153	01869
	02B-020	0133	99413		04C-021K	0154	01870
	04A-020	0134	99414		02A-005M	0155	01871
	04B-020	0135	99415				
	01A-021	0138	99416				
	01B-021	0139	99417				
	02A-021	0140	01866				
	02B-021	0151	01867				
	04A-021	0152	01868				

Comments: per SAS-III Microquartz for metals and
gravimetric total susp. particulates
IV Glass fiber for gravimetric
total suspended particulates

ICP Interelement and background corrections applied? Yes X No _____

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WEYERHAEUSER TECHNOLOGY CENTER
Analytical Laboratories
Tacoma, Washington

3285H-8-008

REPORT

Service Request 16122
Page 1 of 2

SAS 3285 H

EPA No.	Lab Code	Filter weight (mg)
01A-001	99268	140.1
01B-001	99269	74.0
02A-001	99270	141.3
02B-001	99271	97.0
04A-001	99272	157.4
04B-001	99273	82.8
04C-001	99274	83.9
01B-001L	99275	0.6
01A-002	99276	213.5
01B-002	99277	105.7
02A-002	99278	182.8
02B-002	99279	92.6
04A-002	99280	208.0
04B-002	99281	112.9
E1A-003	99282	43.0
E1B-003	99283	18.6
E2A-003	99284	44.7
E2B-003	99285	19.7
E4A-003	99286	61.1
E4B-003	99287	26.8
E4C-003	99288	29.2
G1A-004	99289	176.8
G1B-004	99290	82.9
G2A-004	99291	144.6
G2B-004	99292	73.8
G4A-004	99293	144.5
G4B-004	99294	76.3
G4A-002L	99295	-0.3

Approved Kai Doyle

Date 11-6-87 Notebook

Page Number 005

Form I

U.S. EPA Contract Laboratory Program
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EPA Sample Number
01A-001

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99268 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	210	P
3 Arsenic	22	F	15 Mercury	
4 Barium			16 Nickel	15U P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	3.0 U	P	18 Selenium	[4] F
7 Calcium			19 Silver	
8 Chromium	18	P	20 Sodium	
9 Cobalt	[4.0]	P	21 Thallium	
10 Copper	555	P	22 Tin	
11 Iron			23 Vanadium	[13] P
12 Lead	512	P	24 Zinc	378 P
Cyanide			% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Kai Dovsee

009

Form I

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 Sample Management Office
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 703/557-2490 FTS: 8-557-2490

EPA Sample Number
01B-001

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99269 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	131	P
3 Arsenic	18	F	15 Mercury	
4 Barium		16 Nickel	150	P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	3.0 U	P	18 Selenium	[3] F
7 Calcium			19 Silver	
8 Chromium	13	P	20 Sodium	
9 Cobalt	[3.3]	P	21 Thallium	
10 Copper	104	P	22 Tin	
11 Iron			23 Vanadium	[12] P
12 Lead	450	P	24 Zinc	211 P
Cyanide		% Solids		

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Comment:

Lab Manager

Kai Dohsee

010

Form I

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 Sample Management Office
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 703/557-2490 FTS: 8-557-2490

EPA Sample Number
02A-001

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99270 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	278	P
3 Arsenic	36	F	15 Mercury	
4 Barium		16 Nickel	[20]	P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	[5.0]	P	18 Selenium	[4] F
7 Calcium			19 Silver	
8 Chromium	21	P	20 Sodium	
9 Cobalt	[3.7]	P	21 Thallium	
10 Copper	625	P	22 Tin	
11 Iron			23 Vanadium	[14] P
12 Lead	728	P	24 Zinc	844 P
Cyanide		% Solids		

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Comment:

011

Lab Manager

Ken Doyle

Form I

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EPA Sample Number
02B-001

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99271 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	199	P
3 Arsenic	27	F	15 Mercury	
4 Barium			16 Nickel	[23] P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	[3.5]	P	18 Selenium	30 F
7 Calcium			19 Silver	
8 Chromium	17	P	20 Sodium	
9 Cobalt	[3.4]	P	21 Thallium	
10 Copper	180	P	22 Tin	
11 Iron			23 Vanadium	[13] P
12 Lead	598	P	24 Zinc	538 P
Cyanide			% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager



012

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
04A-001

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99272 QC REPORT NO... 161221

Element Identified and Measured

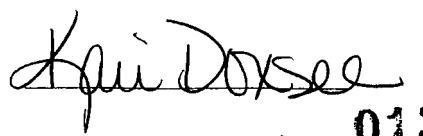
Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1	Aluminum		13	Magnesium		
2	Antimony		14	Manganese	301	P
3	Arsenic	46	F	15	Mercury	
4	Barium		16	Nickel	[22]	P
5	Beryllium	2.0 U	P	17	Potassium	
6	Cadmium	5.7	P	18	Selenium	[6] F
7	Calcium			19	Silver	
8	Chromium	19	P	20	Sodium	
9	Cobalt	[4.7]	P	21	Thallium	
10	Copper	484	P	22	Tin	
11	Iron			23	Vanadium	[18] P
12	Lead	921	P	24	Zinc	1020 P
	Cyanide				% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

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 013

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number

04B-001

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME	WEYERHAEUSER	CASE NO.....	3285H-1
SOW NO.....	784		
LAB SAMPLE ID. NO.	99273	QC REPORT NO...	161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium	
2 Antimony		14 Manganese	158 P
3 Arsenic	25 F	15 Mercury	
4 Barium		16 Nickel	15U P
5 Beryllium	2.0 U	17 Potassium	
6 Cadmium	[3.0] P	18 Selenium	[4] F
7 Calcium		19 Silver	
8 Chromium	12	20 Sodium	
9 Cobalt	[3.5] P	21 Thallium	
10 Copper	156	22 Tin	
11 Iron		23 Vanadium	13 P
12 Lead	605	24 Zinc	472 P
Cyanide		% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Kris Doyse

014

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
04C-001

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99274 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	158	P
3 Arsenic	27	F	15 Mercury	
4 Barium			16 Nickel	15U P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	3.0 U	P	18 Selenium	34 F
7 Calcium			19 Silver	
8 Chromium	12	P	20 Sodium	
9 Cobalt	3.0 U	P	21 Thallium	
10 Copper	162	P	22 Tin	
11 Iron			23 Vanadium	[13] P
12 Lead	616	P	24 Zinc	460 P
Cyanide			% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Kai Doysee

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
01B-001L

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99275 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	[6.4]	P
3 Arsenic	4u F	15 Mercury		
4 Barium		16 Nickel	15u	P
5 Beryllium	2.0 U	17 Potassium		
6 Cadmium	3.0 U	18 Selenium w	3u F	
7 Calcium		19 Silver		
8 Chromium	[5.4]	20 Sodium		
9 Cobalt	3.0 U	21 Thallium		
10 Copper	[17]	22 Tin		
11 Iron		23 Vanadium	[6.4]	P
12 Lead	10 F	24 Zinc	[18]	P
Cyanide		% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Kai Doysee

016

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
01A-002

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99276 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	345	P
3 Arsenic	50	F	15 Mercury	
4 Barium			16 Nickel	43 P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	[3.9]	P	18 Selenium	[7] F
7 Calcium			19 Silver	
8 Chromium	20	P	20 Sodium	
9 Cobalt	[5.8]	P	21 Thallium	
10 Copper	620	P	22 Tin	
11 Iron			23 Vanadium	[22] P
12 Lead	607	P	24 Zinc	479 P
Cyanide		% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager



Kai Dovseel
017

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
01B-002

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME	WEYERHAEUSER	CASE NO.....	3285H-1
SOW NO.....	784		
LAB SAMPLE ID. NO.	99277	QC REPORT NO...	161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	201	P
3 Arsenic	22	F	15 Mercury	
4 Barium			16 Nickel	15U P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	3.0 U	P	18 Selenium w	[S] F
7 Calcium			19 Silver	
8 Chromium	16	P	20 Sodium	
9 Cobalt	[4.4]	P	21 Thallium	
10 Copper	222	P	22 Tin	
11 Iron			23 Vanadium	[14] P
12 Lead	505	P	24 Zinc	270 P
Cyanide			% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Kai Dovsee

018

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
02A-002

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99278 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	333	P
3 Arsenic	58	F	15 Mercury	
4 Barium		16 Nickel	[16]	P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	[3.7]	P	18 Selenium w	[8] F
7 Calcium			19 Silver	
8 Chromium	35	P	20 Sodium	
9 Cobalt	[4.5]	P	21 Thallium	
10 Copper	574	P	22 Tin	
11 Iron			23 Vanadium	[19] P
12 Lead	659	P	24 Zinc	590 P
Cyanide		% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Kai Dovsee

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
02B-002

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99279 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	188	P
3 Arsenic	42	F	15 Mercury	
4 Barium			16 Nickel	15U P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	3.0 U	P	18 Selenium w	[7] F
7 Calcium			19 Silver	
8 Chromium	18	P	20 Sodium	
9 Cobalt	3.0 U	P	21 Thallium	
10 Copper	230	P	22 Tin	
11 Iron			23 Vanadium	[12] P
12 Lead	492	P	24 Zinc	327 P
Cyanide			% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Kai Doxsee

020

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
04A-002

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99280 QC REPORT NO... 161221

Element Identified and Measured

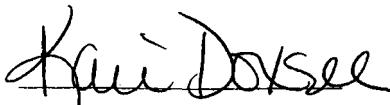
Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	427	P
3 Arsenic	70	F	15 Mercury	
4 Barium			16 Nickel	[18] P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	5.9	P	18 Selenium w	[8] F
7 Calcium			19 Silver	
8 Chromium	22	P	20 Sodium	
9 Cobalt	[5.3]	P	21 Thallium	
10 Copper	770	P	22 Tin	
11 Iron			23 Vanadium	[23] P
12 Lead	904	P	24 Zinc	1020 P
Cyanide			% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager



021

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
04B-002

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99281 QC REPORT NO... 161221

Element Identified and Measured

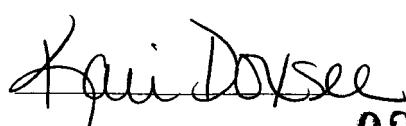
Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	226	P
3 Arsenic	52	F	15 Mercury	
4 Barium			16 Nickel	15U P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	[4.0]	P	18 Selenium	w [9] F
7 Calcium			19 Silver	
8 Chromium	14	P	20 Sodium	
9 Cobalt	[3.8]	P	21 Thallium	
10 Copper	251	P	22 Tin	
11 Iron			23 Vanadium	20 P
12 Lead	588	P	24 Zinc	465 P
Cyanide			% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager


 022

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number

E1A-003

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99282 QC REPORT NO... 161221

Element Identified and Measured

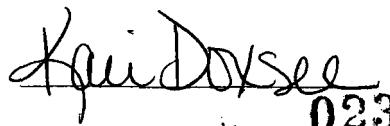
Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	70	P
3 Arsenic	[5] F	15 Mercury		
4 Barium		16 Nickel	15U	P
5 Beryllium	2.0 U	17 Potassium		
6 Cadmium	3.0 U	18 Selenium	3u	F
7 Calcium		19 Silver		
8 Chromium	[4.2] P	20 Sodium		
9 Cobalt	3.0 U	21 Thallium		
10 Copper	123	22 Tin		
11 Iron		23 Vanadium	[18]	P
12 Lead	78 F	24 Zinc	81	P
Cyanide		% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager


 023

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
E1B-003

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99283 QC REPORT NO... 161221

Element Identified and Measured

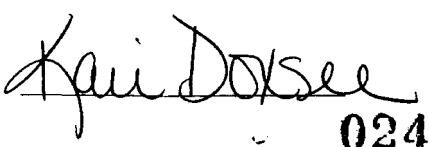
Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	41	P
3 Arsenic	44	F	15 Mercury	
4 Barium			16 Nickel	15U P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	3.0 U	P	18 Selenium	34 F
7 Calcium			19 Silver	
8 Chromium	[4.7]	P	20 Sodium	
9 Cobalt	3.0 U	P	21 Thallium	
10 Copper	[23]	P	22 Tin	
11 Iron			23 Vanadium	[15] P
12 Lead	69	F	24 Zinc	46 P
Cyanide			% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager


 Kai Dohse
 024

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
E2A-003

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99284 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	89	P
3 Arsenic	[a]	15 Mercury		
4 Barium		16 Nickel	15U	P
5 Beryllium	2.0 U	17 Potassium		
6 Cadmium	3.0 U	18 Selenium	3u	F
7 Calcium		19 Silver		
8 Chromium	14	20 Sodium		
9 Cobalt	3.0 U	21 Thallium		
10 Copper	141	22 Tin		
11 Iron		23 Vanadium	[15]	P
12 Lead	228	24 Zinc	188	P
Cyanide		% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager



025

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
E2B-003

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99285 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	53	P
3 Arsenic	[6] F	15 Mercury		
4 Barium		16 Nickel	15U	P
5 Beryllium	2.0 U	17 Potassium		
6 Cadmium	3.0 U	18 Selenium	3u	F
7 Calcium		19 Silver		
8 Chromium	[9.1] P	20 Sodium		
9 Cobalt	3.0 U	21 Thallium		
10 Copper	34	22 Tin		
11 Iron		23 Vanadium	[12]	P
12 Lead	113	24 Zinc	98	P
Cyanide		% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager


 026

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
E4A-003

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99286 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	151	P
3 Arsenic	22	F	15 Mercury	
4 Barium			16 Nickel	101 P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	[3.1]	P	18 Selenium w	3u F
7 Calcium			19 Silver	
8 Chromium	11	P	20 Sodium	
9 Cobalt	3.0 U	P	21 Thallium	
10 Copper	226	P	22 Tin	
11 Iron			23 Vanadium	[8.6] P
12 Lead	665	P	24 Zinc	667 P
Cyanide			% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Ken Doxsee

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
E4B-003

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99287 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	67	P
3 Arsenic	16	F	15 Mercury	
4 Barium			16 Nickel	15U P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	3.0 U	P	18 Selenium w	3u F
7 Calcium			19 Silver	
8 Chromium	[8.7]	P	20 Sodium	
9 Cobalt	3.0 U	P	21 Thallium	
10 Copper	67	P	22 Tin	
11 Iron			23 Vanadium	[6.8] P
12 Lead	240	P	24 Zinc	219 P
Cyanide			% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Karen Dokssee

028

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number

E4C-003

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99288 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	66	P
3 Arsenic	(3)	F	15 Mercury	
4 Barium		16 Nickel	15U	P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	3.0 U	P	18 Selenium	3u F
7 Calcium			19 Silver	
8 Chromium	[6.1]	P	20 Sodium	
9 Cobalt	3.0 U	P	21 Thallium	
10 Copper	81	P	22 Tin	
11 Iron			23 Vanadium	[7.1] P
12 Lead	320	P	24 Zinc	283 P
Cyanide			% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Kui Doxsee

029

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
E1A-005

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99296 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	39	P
3 Arsenic	4u	F	15 Mercury	
4 Barium		16 Nickel	15U	P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	3.0 U	P	18 Selenium	3u F
7 Calcium			19 Silver	
8 Chromium	[9.3]	P	20 Sodium	
9 Cobalt	3.0 U	P	21 Thallium	
10 Copper	41	P	22 Tin	
11 Iron			23 Vanadium	[12] P
12 Lead	104	P	24 Zinc	72 P
Cyanide			% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager



Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
E1B-005

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99297 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	21	P
3 Arsenic	4u	F	15 Mercury	
4 Barium			16 Nickel	15U P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	3.0 U	P	18 Selenium	3u F
7 Calcium			19 Silver	
8 Chromium	[9.7]	P	20 Sodium	
9 Cobalt	3.0 U	P	21 Thallium	
10 Copper	[19]	P	22 Tin	
11 Iron			23 Vanadium	[9.0] P
12 Lead	59	F	24 Zinc	33 P
Cyanide			% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

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Ken Doxsee

031

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number

E2A-005

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99298 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	51	P
3 Arsenic	[8] F	15 Mercury		
4 Barium		16 Nickel	15U	P
5 Beryllium	2.0 U	17 Potassium		
6 Cadmium	3.0 U	18 Selenium	3u	F
7 Calcium		19 Silver		
8 Chromium	[6.1] P	20 Sodium		
9 Cobalt	3.0 U	21 Thallium		
10 Copper	84	22 Tin		
11 Iron		23 Vanadium	[11]	P
12 Lead	174	24 Zinc	174	P
Cyanide		% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

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Kai Doyse

032

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
E2B-005

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99299 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	22	P
3 Arsenic	[S] F	15 Mercury		
4 Barium		16 Nickel	15U	P
5 Beryllium	2.0 U	17 Potassium		
6 Cadmium	3.0 U	18 Selenium	3u	F
7 Calcium		19 Silver		
8 Chromium	[4.3] P	20 Sodium		
9 Cobalt	3.0 U	21 Thallium		
10 Copper	52	22 Tin		
11 Iron		23 Vanadium	[10]	P
12 Lead	70 F	24 Zinc	82	P
Cyanide		% Solids		

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033

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U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
E4A-005

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99300 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	27	P
3 Arsenic	40	F	15 Mercury	
4 Barium			16 Nickel	150 P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	3.0 U	P	18 Selenium	30 F
7 Calcium			19 Silver	
8 Chromium	[9.3]	P	20 Sodium	
9 Cobalt	3.0 U	P	21 Thallium	
10 Copper	135	P	22 Tin	
11 Iron			23 Vanadium	[10] P
12 Lead	35	F	24 Zinc	32 P
Cyanide			% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

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EPA Sample Number
E4B-005

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99301 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	17	P
3 Arsenic	40	F	15 Mercury	
4 Barium			16 Nickel	150 P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	3.0 U	P	18 Selenium	30 F
7 Calcium			19 Silver	
8 Chromium	[3.9]	P	20 Sodium	
9 Cobalt	3.0 U	P	21 Thallium	
10 Copper	[15]	P	22 Tin	
11 Iron			23 Vanadium	[9.5] P
12 Lead	20	F	24 Zinc	24 P
Cyanide			% Solids	

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035

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 703/557-2490 FTS: 8-557-2490

EPA Sample Number
E4C-005

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99302 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	15	P
3 Arsenic	400	F	15 Mercury	
4 Barium			16 Nickel	150 P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	3.0 U	P	18 Selenium	300 F
7 Calcium			19 Silver	
8 Chromium	[4.7]	P	20 Sodium	
9 Cobalt	3.0 U	P	21 Thallium	
10 Copper	[16]	P	22 Tin	
11 Iron			23 Vanadium	[12] P
12 Lead	25	F	24 Zinc	25 P
Cyanide			% Solids	

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 703/557-2490 FTS: 8-557-2490

EPA Sample Number
02A-003L

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-1
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99303 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium	
2 Antimony		14 Manganese	[6.8] P
3 Arsenic	44	F	15 Mercury
4 Barium		16 Nickel	150 P
5 Beryllium	2.0 U	P	17 Potassium
6 Cadmium	3.0 U	P	18 Selenium
7 Calcium			34 F
8 Chromium	[5.0] P	20 Sodium	
9 Cobalt	3.0 U	P	21 Thallium
10 Copper	[3.5] P	22 Tin	
11 Iron		23 Vanadium	[14] P
12 Lead	14	F	24 Zinc
Cyanide		% Solids	[7.8] P

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Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
01B-001M

Date: 11-3-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99304

CASE NO..... 3285H-1
 QC REPORT NO... 161221

Element Identified and Measured

Concentration ... LOW
 Matrix ... WATER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese	[2.9]	P
3 Arsenic	4u	F	15 Mercury	
4 Barium			16 Nickel	15U P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	3.0 U	P	18 Selenium	w 3u F
7 Calcium			19 Silver	
8 Chromium	10	P	20 Sodium	
9 Cobalt	3.0 U	P	21 Thallium	
10 Copper	3.0 U	P	22 Tin	
11 Iron			23 Vanadium	[12] P
12 Lead	[8]	F	24 Zinc	2.0 U P
Cyanide			% Solids	

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Kai Doxsee

WEYERHAEUSER TECHNOLOGY CENTER
 Analytical Laboratories
 Tacoma, Washington

REPORT

Service Request 16122

Page _____ of _____

SAS 3285 H

SAMPLE DESCRIPTION	ANALYTICAL LAB CODE	Filter #	Particulate in Total mg			
01A-006	99305	738217	145.6			
01B-006	99306	738216	70.7			
02A-006	99307	738215	107.6			
02B-006	99308	738214	56.3			
04A-006	99309	738212	104.2			
04B-006	99310	738211	51.7			
E1A-004L	99311	738220	-1.3			
E1A-007	99312	738218	63.5			
E1B-007	99313	738219	21.9			
E2A-007	99314	738221	38.4			
E2B-007	99315	738222	14.7			
E4A-007	99316	738223	34.8			
E4B-007	99317	738224	17.8			
E4C-007L	99318	738225	14.7			
G1A-005L	99319	738169	-1.1			
G1A-008	99320	738168	198.7			
G1B-008	99321	738200	104.3			
G2A-008	99322	738201	180.3			
G2B-008	99323	738202	96.9			
G4A-008	99324	738203	175.3			
G4B-008	99325	738204	98.8			
04B-006L	99326	738233	0.1			
D1A-009	99327	738226	161.7			
01B-009	99328	738227	84.5			
02A-009	99329	738228	133.1			
02B-009	99330	738229	71.2			
04A-009	99331	738230	130.6			
04B-009	99332	738231	75.1			
04C-009K	99333	738232	68.9			
02B-002M	99334	738251	-0.4			

Approved Marylin Ranta Date 11-19-87 Notebook _____
 Page Number 004

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
01A-006

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER . CASE NO..... 3285H-2
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99305 QC REPORT NO... 161222

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum			13 Magnesium		
2 Antimony			14 Manganese		
3 Arsenic	44	F	15 Mercury		
4 Barium			16 Nickel	[17] P
5 Beryllium	2.0 U	P	17 Potassium		
6 Cadmium	[3.3] P	18 Selenium	11	F
7 Calcium			19 Silver		
8 Chromium	21	P	20 Sodium		
9 Cobalt	[3.8] P	21 Thallium		
10 Copper	650	P	22 Tin		
11 Iron			23 Vanadium	11	P
12 Lead	555	P	24 Zinc	355	P
Cyanide			% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

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Lab Manager

Kai Doysee

007

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
01B-006
Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-2
 SOW NO..... 784 QC REPORT NO... 161222
 LAB SAMPLE ID. NO. 99306

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese		
3 Arsenic	50	F	15 Mercury	
4 Barium			16 Nickel	15U P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	3.0 U	P	18 Selenium	V F
7 Calcium			19 Silver	
8 Chromium	14	P	20 Sodium	
9 Cobalt	3.0 U	P	21 Thallium	
10 Copper	231	P	22 Tin	
11 Iron			23 Vanadium	6.0 P
12 Lead	471	P	24 Zinc	188 P
Cyanide			% Solids	

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 703/557-2490 FTS: 8-557-2490

EPA Sample Number
02A-006

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-2
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99307 QC REPORT NO... 161222

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum			13 Magnesium		
2 Antimony			14 Manganese		
3 Arsenic	56	F	15 Mercury		
4 Barium			16 Nickel	15U	P
5 Beryllium	2.0 U	P	17 Potassium		
6 Cadmium	[3.7]	P	18 Selenium	V	F
7 Calcium			19 Silver		
8 Chromium	14	P	20 Sodium		
9 Cobalt	[3.9]	P	21 Thallium		
10 Copper	613	P	22 Tin		
11 Iron			23 Vanadium	8.2	P
12 Lead	563	P	24 Zinc	435	P
Cyanide			% Solids		

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 703/557-2490 FTS: 8-557-2490

EPA Sample Number
02B-006

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99308

CASE NO..... 3285H-2
 QC REPORT NO... 161222

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum			13 Magnesium		
2 Antimony			14 Manganese		
3 Arsenic	40	F	15 Mercury		
4 Barium			16 Nickel	[16] P
5 Beryllium	2.0 U	P	17 Potassium		
6 Cadmium	3.0 U	P	18 Selenium	11	F
7 Calcium			19 Silver		
8 Chromium	15	P	20 Sodium		
9 Cobalt	3.0 U	P	21 Thallium		
10 Copper	261	P	22 Tin		
11 Iron			23 Vanadium	5.2	P
12 Lead	431	P	24 Zinc	240	P
Cyanide			% Solids		

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010

Form I

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EPA Sample Number
04A-006

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99309

CASE NO..... 3285H-2
 QC REPORT NO... 161222

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum			13 Magnesium		
2 Antimony			14 Manganese		
3 Arsenic	54	F	15 Mercury		
4 Barium			16 Nickel	15U	P
5 Beryllium	2.0 U	P	17 Potassium		
6 Cadmium	[3.8]	P	18 Selenium	14	F
7 Calcium			19 Silver		
8 Chromium	19	P	20 Sodium		
9 Cobalt	[3.8]	P	21 Thallium		
10 Copper	748	P	22 Tin		
11 Iron			23 Vanadium	8.7	P
12 Lead	569	P	24 Zinc	409	P
Cyanide			% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

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011

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
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 703/557-2490 FTS: 8-557-2490

EPA Sample Number
04B-006

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-2
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99310 QC REPORT NO... 161222

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese		
3 Arsenic	52	F	15 Mercury	
4 Barium			16 Nickel	15U P
5 Beryllium	2.0 U	P	17 Potassium	
6 Cadmium	3.0 U	P	18 Selenium	12 F
7 Calcium			19 Silver	
8 Chromium	15	P	20 Sodium	
9 Cobalt	3.0 U	P	21 Thallium	
10 Copper	298	P	22 Tin	
11 Iron			23 Vanadium	5.4 P
12 Lead	449	P	24 Zinc	229 P
Cyanide			% Solids	

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012

Form I

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EPA Sample Number
E1A-004L

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-2
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99311 QC REPORT NO... 161222

Element Identified and Measured

Concentration ...

Matrix ... FILTER

Units ... ug/l

1 Aluminum		13 Magnesium	
2 Antimony		14 Manganese	
3 Arsenic	2 u	F	15 Mercury
4 Barium			16 Nickel 15U P
5 Beryllium	2.0 U	P	17 Potassium
6 Cadmium	3.0 U	P	18 Selenium 3 u F
7 Calcium			19 Silver
8 Chromium	[9.0]	P	20 Sodium
9 Cobalt	3.0 U	P	21 Thallium
10 Copper	[9.5]	P	22 Tin
11 Iron			23 Vanadium 2.0 U P
12 Lead	17	F	24 Zinc [12] P
Cyanide			% Solids

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013

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
E1A-007

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-2
 SOW NO..... 784 QC REPORT NO... 161222
 LAB SAMPLE ID. NO. 99312

Element Identified and Measured

Concentration ...

Matrix ... FILTER

Units ... ug/l

1 Aluminum			13 Magnesium		
2 Antimony			14 Manganese		
3 Arsenic	[7]	F	15 Mercury		
4 Barium			16 Nickel	15U	P
5 Beryllium	2.0 U	P	17 Potassium		
6 Cadmium	3.0 U	P	18 Selenium	3u	F
7 Calcium			19 Silver		
8 Chromium	14	P	20 Sodium		
9 Cobalt	3.0 U	P	21 Thallium		
10 Copper	87	P	22 Tin		
11 Iron			23 Vanadium	5.1	P
12 Lead	216	P	24 Zinc	206	P
Cyanide			% Solids		

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Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
E1B-007

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99313

CASE NO..... 3285H-2
 QC REPORT NO... 161222

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum			13 Magnesium		
2 Antimony			14 Manganese		
3 Arsenic	[6]	F	15 Mercury		
4 Barium			16 Nickel	[17]	P
5 Beryllium	2.0 U	P	17 Potassium		
6 Cadmium	3.0 U	P	18 Selenium	3u	F
7 Calcium			19 Silver		
8 Chromium	13	P	20 Sodium		
9 Cobalt	3.0 U	P	21 Thallium		
10 Copper	40	P	22 Tin		
11 Iron			23 Vanadium	2.0 U	P
12 Lead	171	P	24 Zinc	97	P
Cyanide			% Solids		

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Kai Dosee

015

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 703/557-2490 FTS: 8-557-2490

EPA Sample Number
E2A-007

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-2
 SOW NO..... 784 QC REPORT NO... 161222
 LAB SAMPLE ID. NO. 99314

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum			13 Magnesium		
2 Antimony			14 Manganese		
3 Arsenic	10	F	15 Mercury		
4 Barium			16 Nickel	15U	P
5 Beryllium	2.0 U	P	17 Potassium		
6 Cadmium	3.0 U	P	18 Selenium	3u	F
7 Calcium			19 Silver		
8 Chromium	16	P	20 Sodium		
9 Cobalt	3.0 U	P	21 Thallium		
10 Copper	95	P	22 Tin		
11 Iron			23 Vanadium	2.0 U	P
12 Lead	182	P	24 Zinc	194	P
Cyanide			% Solids		

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 P.O. Box 818 - Alexandria, VA 22313
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EPA Sample Number
E2B-007

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-2
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99315 QC REPORT NO... 161222

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese		
3 Arsenic	[7] F	15 Mercury		
4 Barium		16 Nickel	15U	P
5 Beryllium	2.0 U	17 Potassium		
6 Cadmium	3.0 U	18 Selenium	3u	F
7 Calcium		19 Silver		
8 Chromium	11	20 Sodium		
9 Cobalt	3.0 U	21 Thallium		
10 Copper	39	22 Tin		
11 Iron		23 Vanadium	2.0 U	P
12 Lead	111	24 Zinc	102	P
Cyanide		% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager



017

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
E4A-007

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-2
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99316 QC REPORT NO... 161222

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese		
3 Arsenic	[8] F	15 Mercury		
4 Barium		16 Nickel	15U	P
5 Beryllium	2.0 U	17 Potassium		
6 Cadmium	3.0 U	18 Selenium	3u	F
7 Calcium		19 Silver		
8 Chromium	15	20 Sodium		
9 Cobalt	3.0 U	21 Thallium		
10 Copper	146	22 Tin		
11 Iron		23 Vanadium	3.5	P
12 Lead	131	24 Zinc	155	P
Cyanide		% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

018

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
E4B-007

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-2
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99317 QC REPORT NO... 161222

Element Identified and Measured

Concentration ...

Matrix ... FILTER

Units ... ug/l

1 Aluminum			13 Magnesium		
2 Antimony			14 Manganese		
3 Arsenic	[6] F		15 Mercury		
4 Barium			16 Nickel	15U	P
5 Beryllium	2.0 U	P	17 Potassium		
6 Cadmium	3.0 U	P	18 Selenium	34	F
7 Calcium			19 Silver		
8 Chromium	14	P	20 Sodium		
9 Cobalt	3.0 U	P	21 Thallium		
10 Copper	43	P	22 Tin		
11 Iron			23 Vanadium	2.0 U	P
12 Lead	121	P	24 Zinc	119	P
Cyanide			% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
E4C-007L

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99318

CASE NO..... 3285H-2
 QC REPORT NO... 161222

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese		
3 Arsenic	[6] F	15 Mercury		
4 Barium		16 Nickel	15U	P
5 Beryllium	2.0 U	17 Potassium		
6 Cadmium	3.0 U	18 Selenium	3u	F
7 Calcium		19 Silver		
8 Chromium	[8.8] P	20 Sodium		
9 Cobalt	3.0 U	21 Thallium		
10 Copper	29	22 Tin		
11 Iron		23 Vanadium	2.0 U	P
12 Lead	82 F	24 Zinc	94	P
Cyanide		% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Kai Doysee

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
04B-006L

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99326

CASE NO..... 3285H-2
 QC REPORT NO... 161222

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum		13 Magnesium	
2 Antimony		14 Manganese	
3 Arsenic	2 u F	15 Mercury	
4 Barium		16 Nickel	15U P
5 Beryllium	2.0 U	17 Potassium	
6 Cadmium	3.0 U	18 Selenium	3 u F
7 Calcium		19 Silver	
8 Chromium	[6.6] P	20 Sodium	
9 Cobalt	3.0 U	21 Thallium	
10 Copper	[11] P	22 Tin	
11 Iron		23 Vanadium	2.0 U P
12 Lead	[7] F	24 Zinc	[14] P
Cyanide		% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Ken Doysee

021

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
01A-009

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-2
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99327 QC REPORT NO... 161222

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese		
3 Arsenic	[36] F	15 Mercury		
4 Barium		16 Nickel	15U	P
5 Beryllium	2.0 U	17 Potassium		
6 Cadmium	3.0 U	18 Selenium	[4]	F
7 Calcium		19 Silver		
8 Chromium	24	20 Sodium		
9 Cobalt	[4.3] P	21 Thallium		
10 Copper	517	22 Tin		
11 Iron		23 Vanadium	12	P
12 Lead	493	24 Zinc	315	P
Cyanide		% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
01B-009

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-2
 SOW NO..... 784 QC REPORT NO... 161222
 LAB SAMPLE ID. NO. 99328

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese		
3 Arsenic	[30] F	15 Mercury		
4 Barium		16 Nickel	15U	P
5 Beryllium	2.0 U	17 Potassium		
6 Cadmium	3.0 U	18 Selenium	[6] F	
7 Calcium		19 Silver		
8 Chromium	24	20 Sodium		
9 Cobalt	3.0 U	21 Thallium		
10 Copper	152	22 Tin		
11 Iron		23 Vanadium	6.6	P
12 Lead	442	24 Zinc	206	P
Cyanide		% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Kai Doysee

023

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
02A-009

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME	WEYERHAEUSER	CASE NO.....	3285H-2
SOW NO.....	784	QC REPORT NO...	161222
LAB SAMPLE ID. NO.	99329		

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum		13 Magnesium	
2 Antimony		14 Manganese	
3 Arsenic	[41] F	15 Mercury	
4 Barium		16 Nickel	[23] P
5 Beryllium	2.0 U	17 Potassium	
6 Cadmium	3.0 U	18 Selenium	[6] F
7 Calcium		19 Silver	
8 Chromium	24	20 Sodium	
9 Cobalt	[3.3] P	21 Thallium	
10 Copper	569	22 Tin	
11 Iron		23 Vanadium	11 P
12 Lead	632	24 Zinc	410 P
Cyanide		% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Kai Dovsee

024

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
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 703/557-2490 FTS: 8-557-2490

EPA Sample Number
02B-009

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-2
 SOW NO..... 784 QC REPORT NO... 161222
 LAB SAMPLE ID. NO. 99330

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1	Aluminum		13	Magnesium		
2	Antimony		14	Manganese		
3	Arsenic	[31] F	15	Mercury		
4	Barium		16	Nickel	[18] P	
5	Beryllium	2.0 U	P	17	Potassium	
6	Cadmium	3.0 U	P	18	Selenium	[7] F
7	Calcium		19	Silver		
8	Chromium	21	P	20	Sodium	
9	Cobalt	3.0 U	P	21	Thallium	
10	Copper	180	P	22	Tin	
11	Iron		23	Vanadium	5.6	P
12	Lead	491	P	24	Zinc	232 P
	Cyanide				% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Kai Dovsee

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
04A-009

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER CASE NO..... 3285H-2
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99331 QC REPORT NO... 161222

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum		13 Magnesium	
2 Antimony		14 Manganese	
3 Arsenic	[37] F	15 Mercury	
4 Barium		16 Nickel	[20] P
5 Beryllium	2.0 U	17 Potassium	
6 Cadmium	3.0 U	18 Selenium	[5] F
7 Calcium		19 Silver	
8 Chromium	19	20 Sodium	
9 Cobalt	[4.1] P	21 Thallium	
10 Copper	820	22 Tin	
11 Iron		23 Vanadium	10 P
12 Lead	528	24 Zinc	348 P
Cyanide		% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Kai Doysee

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U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
04B-009

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99332

CASE NO..... 3285H-2
 QC REPORT NO... 161222

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum		13 Magnesium		
2 Antimony		14 Manganese		
3 Arsenic	[35] F	15 Mercury		
4 Barium		16 Nickel	15U	P
5 Beryllium	2.0 U	17 Potassium		
6 Cadmium	3.0 U	18 Selenium	[6] F	
7 Calcium		19 Silver		
8 Chromium	19	20 Sodium		
9 Cobalt	3.0 U	21 Thallium		
10 Copper	193	22 Tin		
11 Iron		23 Vanadium	5.8	P
12 Lead	463	24 Zinc	229	P
Cyanide		% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Kai Doysee

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
04C-009K

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99333

CASE NO..... 3285H-2
 QC REPORT NO... 161222

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum		13 Magnesium	
2 Antimony		14 Manganese	
3 Arsenic	[31] F	15 Mercury	
4 Barium		16 Nickel	[18] P
5 Beryllium	2.0 U	17 Potassium	
6 Cadmium	3.0 U	18 Selenium	[4] F
7 Calcium		19 Silver	
8 Chromium	18	20 Sodium	
9 Cobalt	[3.1] P	21 Thallium	
10 Copper	178	22 Tin	
11 Iron		23 Vanadium	5.6 P
12 Lead	450	24 Zinc	217 P
Cyanide		% Solids	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager



028

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 FTS: 8-557-2490

EPA Sample Number
02B-002M

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME WEYERHAEUSER
 SOW NO..... 784
 LAB SAMPLE ID. NO. 99334

CASE NO..... 3285H-2
 QC REPORT NO... 161222

Element Identified and Measured

Concentration ...

Matrix ... FILTER
 Units ... ug/l

1 Aluminum			13 Magnesium		
2 Antimony			14 Manganese		
3 Arsenic	2 u	F	15 Mercury		
4 Barium			16 Nickel	15U	P
5 Beryllium	2.0 U	P	17 Potassium		
6 Cadmium	3.0 U	P	18 Selenium	[3]	F
7 Calcium			19 Silver		
8 Chromium	[4.2]	P	20 Sodium		
9 Cobalt	3.0 U	P	21 Thallium		
10 Copper	[4.9]	P	22 Tin		
11 Iron			23 Vanadium	2.0 U	P
12 Lead	3 u	F	24 Zinc	[8.5]	P
Cyanide			% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager

Ken Doyle

029

WEYERHAEUSER TECHNOLOGY CENTER
 Analytical Laboratories
 Tacoma, Washington

REPORT

Service Request 16122
 Page _____ of _____

SAS 3285 H

SAMPLE DESCRIPTION	ANALYTICAL LAB CODE	Filter #	Particulate Total mg			
01A-010	99335	738234	174.6			
01B-010	99336	738235	90.6			
02A-010	99337	738236	159.9			
02B-010	99338	738237	87.2			
04A-010	99339	738238	149.1			
04B-010	99340	738239	86.7			
04C-008L	99341	738259	2.9			
01A-012	99342	738252	182.1			
01B-012	99343	738253	93.5			
02A-012	99344	738260	153.1			
02B-012	99345	738255	88.5			
04A-012	99346	738256	145.5			
04B-012	99347	738257	83.8			
E1B-009L	99348	738275	15.0			
E1A-013	99349	738261	31.5			
E1B-013	99350	738262	21.5			
E2A-013	99351	738263	31.8			
E2B-013	99352	738264	19.1			
E4A-013	99353	738265	31.3			
E4B-013	99354	738266	20.9			
E4C-013K	99355	738267	20.8			
G4B-003M	99356	738244	-1.2			
G2B-007L	99357	738243	2.9			
G1A-011	99358	738206	212.4			
G1B-011	99359	738207	107.2			
G2A-011	99360	738208	189.6			
G2B-011	99361	738209	102.8			
G4A-011	99362	738240	201.6			
G4B-011	99363	738241	109.1			
G4C-011K	99364	738242	108.2			

Approved

Mayne Ranta
Kai Deysee

Date 11-23-87 Notebook _____

11-23-87 Page Number _____

005

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No.

01A-010

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99335

QC REPORT NO. 16122

Elements Identified and Measured

Concentration: Low X Medium _____

Matrix: Water _____ Soil _____ Sludge _____ Other X

ug/L or mg/kg dry weight (Circle One)

- | | |
|-------------------|---------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic 40 F | 15. Mercury |
| 4. Barium | 16. Nickel 154 P |
| 5. Beryllium 24 P | 17. Potassium |
| 6. Cadmium 34 P | 18. Selenium 14 F |
| 7. Calcium | 19. Silver |
| 8. Chromium 17 P | 20. Sodium |
| 9. Cobalt [5] P | 21. Thallium |
| 10. Copper 527 P | 22. Tin |
| 11. Iron | 23. Vanadium [13] P |
| 12. Lead 431 P | 24. Zinc 361 P |

Cyanide _____ Percent Solids (%) _____

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager Kai Dalsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No.

013-010

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99336

QC REPORT NO. 16122

Elements Identified and Measured

Concentration: Low X Medium _____

Matrix: Water _____ Soil _____ Sludge _____ Other X

ug/L or mg/kg dry weight (Circle One)

- | | |
|--------------------------|--------------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic <u>40</u> F | 15. Mercury |
| 4. Barium | 16. Nickel <u>154</u> P |
| 5. Beryllium <u>24</u> P | 17. Potassium |
| 6. Cadmium <u>34</u> P | 18. Selenium <u>15</u> F |
| 7. Calcium | 19. Silver |
| 8. Chromium <u>11</u> P | 20. Sodium |
| 9. Cobalt <u>34</u> P | 21. Thallium |
| 10. Copper <u>190</u> P | 22. Tin |
| 11. Iron | 23. Vanadium <u>6</u> P |
| 12. Lead <u>409</u> P | 24. Zinc <u>228</u> P |
- Cyanide _____ Percent Solids (%) _____

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager Kai Dovsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No.

02A-010

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99337

QC REPORT NO. 16122

Elements Identified and Measured

Concentration: Low X Medium _____

Matrix: Water _____ Soil _____ Sludge _____ Other X

ug/L or mg/kg dry weight (Circle One)

- | | |
|--------------------------|----------------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic <u>50</u> F | 15. Mercury |
| 4. Barium | 16. Nickel <u>[15]</u> P |
| 5. Beryllium <u>24</u> P | 17. Potassium |
| 6. Cadmium <u>5.4</u> P | 18. Selenium <u>14</u> F |
| 7. Calcium | 19. Silver |
| 8. Chromium <u>17</u> P | 20. Sodium |
| 9. Cobalt <u>47</u> P | 21. Thallium |
| 10. Copper <u>572</u> P | 22. Tin |
| 11. Iron | 23. Vanadium <u>[14]</u> P |
| 12. Lead <u>601</u> P | 24. Zinc <u>653</u> P |

Cyanide _____ Percent Solids (%) _____

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager Kai Doysee

Form I

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Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No.

02B-010

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99338

QC REPORT NO. 16122

Elements Identified and Measured

Concentration: Low X Medium _____

Matrix: Water _____ Soil _____ Sludge _____ Other X

ug/L or mg/kg dry weight (Circle One)

- | | |
|-------------------|--------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic 36 F | 15. Mercury |
| 4. Barium | 16. Nickel 154 P |
| 5. Beryllium 24 P | 17. Potassium |
| 6. Cadmium 34 P | 18. Selenium 14 F |
| 7. Calcium | 19. Silver |
| 8. Chromium 10 P | 20. Sodium |
| 9. Cobalt [3] P | 21. Thallium |
| 10. Copper 221 P | 22. Tin |
| 11. Iron | 23. Vanadium [7] P |
| 12. Lead 419 P | 24. Zinc 337 P |
- Cyanide _____ Percent Solids (%) _____

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager Kai Dohsee

Form I

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703/557-2490 FTS: 8-557-2490

EPA Sample No.
04A-010

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99339

QC REPORT NO. 16122

Elements Identified and Measured

Concentration: Low X Medium _____
Matrix: Water _____ Soil _____ Sludge _____ Other X

ug/L or mg/kg dry weight (Circle One)

- | | |
|-------------------------|----------------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic <u>46</u> | 15. Mercury |
| 4. Barium | 16. Nickel <u>154</u> P |
| 5. Beryllium <u>24</u> | 17. Potassium |
| 6. Cadmium <u>[3]</u> P | 18. Selenium <u>15</u> F |
| 7. Calcium | 19. Silver |
| 8. Chromium <u>16</u> P | 20. Sodium |
| 9. Cobalt <u>[4]</u> P | 21. Thallium |
| 10. Copper <u>769</u> P | 22. Tin |
| 11. Iron | 23. Vanadium <u>[12]</u> P |
| 12. Lead <u>511</u> P | 24. Zinc <u>542</u> P |
- Cyanide _____ Percent Solids (%) _____

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager Kai D. See

012

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No.

04B-010

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99340

QC REPORT NO. 16122

Elements Identified and Measured

Concentration: Low X Medium _____

Matrix: Water _____ Soil _____ Sludge _____ Other X

ug/L or mg/kg dry weight (Circle One)

- | | |
|--------------------------|---------------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic <u>40</u> F | 15. Mercury |
| 4. Barium | 16. Nickel <u>154</u> P |
| 5. Beryllium <u>24</u> P | 17. Potassium |
| 6. Cadmium <u>34</u> P | 18. Selenium <u>15</u> F |
| 7. Calcium | 19. Silver |
| 8. Chromium <u>10</u> P | 20. Sodium |
| 9. Cobalt <u>[3]</u> P | 21. Thallium |
| 10. Copper <u>238</u> P | 22. Tin |
| 11. Iron | 23. Vanadium <u>[8]</u> P |
| 12. Lead <u>430</u> P | 24. Zinc <u>307</u> P |
| Cyanide | Percent Solids (%) |

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager Kai Dohse

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
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703/557-2490 PTS: 8-557-2490

EPA Sample No.

04C-008L

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. A9341

QC REPORT NO. 16122

Elements Identified and Measured

Concentration: Low X Medium _____
Matrix: Water _____ Soil _____ Sludge _____ Other X

ug/L or mg/kg dry weight (Circle One)

- | | |
|--------------------|--------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic w 4u F | 15. Mercury |
| 4. Barium | 16. Nickel 15u P |
| 5. Beryllium 2u P | 17. Potassium |
| 6. Cadmium 3u P | 18. Selenium 3u F |
| 7. Calcium | 19. Silver |
| 8. Chromium 3u P | 20. Sodium |
| 9. Cobalt 3u P | 21. Thallium |
| 10. Copper [7] P | 22. Tin |
| 11. Iron | 23. Vanadium 2u P |
| 12. Lead [5] F | 24. Zinc [11] P |
| Cyanide | Percent Solids (%) |

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager Kris Doysee

014

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No.

01A-012

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99342

QC REPORT NO. 16122

Elements Identified and Measured

Concentration: Low Medium
Matrix: Water Soil Sludge Other

ug/L or mg/kg dry weight (Circle One)

- | | |
|--------------------|-----------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic 80 F | 15. Mercury |
| 4. Barium | 16. Nickel [18] P |
| 5. Beryllium 24 P | 17. Potassium |
| 6. Cadmium [3] P | 18. Selenium 36 F |
| 7. Calcium | 19. Silver |
| 8. Chromium 16 P | 20. Sodium |
| 9. Cobalt [4] P | 21. Thallium |
| 10. Copper 696 P | 22. Tin |
| 11. Iron | 23. Vanadium [15] P |
| 12. Lead 599 P | 24. Zinc 451 P |
| Cyanide | Percent Solids (%) |

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager Kris Dausee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No.

013-012

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99343

QC REPORT NO. 16122

Elements Identified and Measured

Concentration: Low X Medium _____

Matrix: Water _____ Soil _____ Sludge _____ Other X

ug/L or mg/kg dry weight (Circle One)

- | | |
|--------------------------|-----------------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic <u>60</u> F | 15. Mercury |
| 4. Barium | 16. Nickel <u>154</u> P |
| 5. Beryllium <u>24</u> P | 17. Potassium |
| 6. Cadmium <u>34</u> P | 18. Selenium <u>36</u> F |
| 7. Calcium | 19. Silver |
| 8. Chromium <u>11</u> P | 20. Sodium |
| 9. Cobalt <u>34</u> P | 21. Thallium |
| 10. Copper <u>317</u> P | 22. Tin |
| 11. Iron | 23. Vanadium <u>[8]</u> P |
| 12. Lead <u>506</u> P | 24. Zinc <u>268</u> P |

Cyanide _____ Percent Solids (%) _____

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager Kai Douse

016

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No.

02A-012

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285 H

SOW NO. 784

LAB SAMPLE ID. NO. 99344

QC REPORT NO. 16122

Elements Identified and Measured

Concentration: Low X Medium _____

Matrix: Water _____ Soil _____ Sludge _____ Other X

ug/L or mg/kg dry weight (Circle One)

- | | |
|--------------------------|------------------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic <u>90</u> F | 15. Mercury |
| 4. Barium | 16. Nickel <u>[16]</u> P |
| 5. Beryllium <u>24</u> P | 17. Potassium |
| 6. Cadmium <u>5</u> P | 18. Selenium <u>42</u> F |
| 7. Calcium | 19. Silver |
| 8. Chromium <u>16</u> P | 20. Sodium |
| 9. Cobalt <u>[4]</u> P | 21. Thallium |
| 10. Copper <u>749</u> P | 22. Tin |
| 11. Iron | 23. Vanadium <u>[12]</u> P |
| 12. Lead <u>712</u> P | 24. Zinc <u>620</u> P |
- Cyanide _____ Percent Solids (%) _____

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager

Karen Dusek

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No.

02B-012

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99345

QC REPORT NO. 16122

Elements Identified and Measured

Concentration:	Low <u>X</u>	Medium _____
Matrix: Water	Soil _____	Sludge _____
		Other <u>X</u>

ug/L or mg/kg dry weight (Circle One)

- | | |
|---------------------------|-----------------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic <u>80</u> F | 15. Mercury |
| 4. Barium | 16. Nickel <u>154</u> P |
| 5. Beryllium <u>24</u> P | 17. Potassium |
| 6. Cadmium <u>[3]</u> P | 18. Selenium <u>40</u> F |
| 7. Calcium | 19. Silver |
| 8. Chromium <u>10</u> P | 20. Sodium |
| 9. Cobalt <u>[3]</u> P | 21. Thallium |
| 10. Copper <u>343</u> P | 22. Tin |
| 11. Iron | 23. Vanadium <u>[7]</u> P |
| 12. Lead <u>505</u> P | 24. Zinc <u>326</u> P |
- Cyanide _____

Percent Solids (%)

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager Kai Doysee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No.

04A-012

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99346

QC REPORT NO. 16122

Elements Identified and Measured

Concentration:

Low

Medium

Matrix: Water

Soil

Sludge

Other

ug/L or mg/kg dry weight (Circle One)

- | | |
|--------------------|-----------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic 85 F | 15. Mercury |
| 4. Barium | 16. Nickel 154 P |
| 5. Beryllium 24 P | 17. Potassium |
| 6. Cadmium [4] P | 18. Selenium 44 F |
| 7. Calcium | 19. Silver |
| 8. Chromium 14 P | 20. Sodium |
| 9. Cobalt [5] P | 21. Thallium |
| 10. Copper 897 P | 22. Tin |
| 11. Iron | 23. Vanadium [12] P |
| 12. Lead 540 P | 24. Zinc 400 P |
| Cyanide | Percent Solids (%) |

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager

Kai Dotsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No.

04B-012

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99347

QC REPORT NO. 16122

Elements Identified and Measured

Concentration: Low X Medium _____

Matrix: Water _____ Soil _____ Sludge _____ Other X

ug/L or mg/kg dry weight (Circle One)

- | | |
|----------------------------|-----------------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic <u>60</u> F | 15. Mercury |
| 4. Barium | 16. Nickel <u>154</u> P |
| 5. Beryllium <u>24</u> P | 17. Potassium |
| 6. Cadmium <u>34</u> P | 18. Selenium <u>44</u> F |
| 7. Calcium | 19. Silver |
| 8. Chromium <u>[9]</u> P | 20. Sodium |
| 9. Cobalt <u>[4]</u> P | 21. Thallium |
| 10. Copper <u>356</u> P | 22. Tin |
| 11. Iron | 23. Vanadium <u>[7]</u> P |
| 12. Lead <u>464</u> P | 24. Zinc <u>253</u> P |
- Cyanide _____

Percent Solids (%)

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager Raj D'Souza

Form I

U.S. EPA Contract Laboratory Program
 Sample Management Office
 P.O. Box 818 - Alexandria, VA 22313
 703/557-2490 PTS: 8-557-2490

EPA Sample No.
EIB-009L

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99348

QC REPORT NO. 16122

Elements Identified and Measured

Concentration:	Low <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>		
Matrix: Water	<input type="checkbox"/>	Soil <input type="checkbox"/>	Sludge <input type="checkbox"/>	Other <input checked="" type="checkbox"/>

ug/L or mg/kg dry weight (Circle One)

- | | |
|---------------------|--------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic W 4u F | 15. Mercury |
| 4. Barium | 16. Nickel 15u P |
| 5. Beryllium 2u P | 17. Potassium |
| 6. Cadmium 3u P | 18. Selenium 6u F |
| 7. Calcium | 19. Silver |
| 8. Chromium [4] P | 20. Sodium |
| 9. Cobalt 3u P | 21. Thallium |
| 10. Copper [15] P | 22. Tin |
| 11. Iron | 23. Vanadium 2u P |
| 12. Lead 25 F | 24. Zinc 22 P |
| Cyanide | Percent Solids (%) |

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager Kai Dylsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No.

EIA-013

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99349

QC REPORT NO. 16122

Elements Identified and Measured

Concentration: Low X Medium _____
Matrix: Water _____ Soil _____ Sludge _____ Other X

ug/L or mg/kg dry weight (Circle One)

- | | |
|---------------------|----------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic 11 F | 15. Mercury |
| 4. Barium | 16. Nickel 154 P |
| 5. Beryllium 24 P | 17. Potassium |
| 6. Cadmium 34 P | 18. Selenium 64 F |
| 7. Calcium | 19. Silver |
| 8. Chromium [6] P | 20. Sodium |
| 9. Cobalt 34 P | 21. Thallium |
| 10. Copper 157 P | 22. Tin |
| 11. Iron | 23. Vanadium [3] P |
| 12. Lead 114 P | 24. Zinc 68 P |

Cyanide _____ Percent Solids (%) _____

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager Karen Donsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No.

EIB-013

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99350

QC REPORT NO. 16122

Elements Identified and Measured

Concentration: Low X Medium _____
Matrix: Water _____ Soil _____ Sludge _____ Other X

ug/L or mg/kg dry weight (Circle One)

- | | |
|--------------|---------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic | 15. Mercury |
| 4. Barium | 16. Nickel |
| 5. Beryllium | 17. Potassium |
| 6. Cadmium | 18. Selenium |
| 7. Calcium | 19. Silver |
| 8. Chromium | 20. Sodium |
| 9. Cobalt | 21. Thallium |
| 10. Copper | 22. Tin |
| 11. Iron | 23. Vanadium |
| 12. Lead | 24. Zinc |

Cyanide Percent Solids (%)

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager Kai Dusek

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
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703/557-2490 FTS: 8-557-2490

EPA Sample No.

E2A-013

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weierhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99351

QC REPORT NO. 16122

Elements Identified and Measured

Concentration: Low X Medium _____

Matrix: Water _____ Soil _____ Sludge _____ Other X

ug/L or mg/kg dry weight (Circle One)

- | | |
|---------------------|----------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic [9] F | 15. Mercury |
| 4. Barium | 16. Nickel 154 P |
| 5. Beryllium 24 P | 17. Potassium |
| 6. Cadmium 34 P | 18. Selenium [8] F |
| 7. Calcium | 19. Silver |
| 8. Chromium [6] P | 20. Sodium |
| 9. Cobalt 34 P | 21. Thallium |
| 10. Copper 133 P | 22. Tin |
| 11. Iron | 23. Vanadium 24 P |
| 12. Lead 111 P | 24. Zinc 90 P |

Cyanide Percent Solids (%)

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager

Spiridouse

Form I

U.S. EPA Contract Laboratory Program
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703/557-2490 PTS: 8-557-2490

EPA Sample No.

E2B-013

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99352

QC REPORT NO. 16122

Elements Identified and Measured

Concentration: Low X Medium _____
Matrix: Water _____ Soil _____ Sludge _____ Other X

ug/L or mg/kg dry weight (Circle One)

- | | |
|---------------------|------------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic [9] F | 15. Mercury |
| 4. Barium | 16. Nickel 15u P |
| 5. Beryllium 2u P | 17. Potassium |
| 6. Cadmium 3u P | 18. Selenium w [8] F |
| 7. Calcium | 19. Silver |
| 8. Chromium [4] P | 20. Sodium |
| 9. Cobalt 3u P | 21. Thallium |
| 10. Copper 49 P | 22. Tin |
| 11. Iron | 23. Vanadium 2u P |
| 12. Lead 95 F | 24. Zinc 56 P |
- Cyanide _____ Percent Solids (%) _____

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager

Kari Doysee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No.

E4A-013

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99353

QC REPORT NO. 16122

Elements Identified and Measured

Concentration: Low X Medium _____
Matrix: Water _____ Soil _____ Sludge _____ Other X

ug/L or mg/kg dry weight (Circle One)

- | | |
|--------------------------|--------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic 11 F | 15. Mercury |
| 4. Barium | 16. Nickel 15u P |
| 5. Beryllium 24 P | 17. Potassium |
| 6. Cadmium 3u P | 18. Selenium [6] F |
| 7. Calcium | 19. Silver |
| 8. Chromium [4] P | 20. Sodium |
| 9. Cobalt 3u P | 21. Thallium |
| 10. Copper 221 P | 22. Tin |
| 11. Iron | 23. Vanadium 24 P |
| 12. Lead 107 F | 24. Zinc 91 P |
| Cyanide _____ | |
| Percent Solids (%) _____ | |

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager

Kai Douse

Form I

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Sample Management Office
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703/557-2490 FTS: 8-557-2490

EPA Sample No.

E4B-013

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99354

QC REPORT NO. 16122

Elements Identified and Measured

Concentration: Low X Medium _____

Matrix: Water _____ Soil _____ Sludge _____ Other X

ug/L or mg/kg dry weight (Circle One)

- | | |
|----------------------------|-----------------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic <u>11</u> F | 15. Mercury |
| 4. Barium | 16. Nickel <u>15u</u> P |
| 5. Beryllium <u>2u</u> P | 17. Potassium |
| 6. Cadmium <u>3u</u> P | 18. Selenium <u>[6]</u> F |
| 7. Calcium | 19. Silver |
| 8. Chromium <u>[4]</u> P | 20. Sodium |
| 9. Cobalt <u>3u</u> P | 21. Thallium |
| 10. Copper <u>55</u> P | 22. Tin |
| 11. Iron | 23. Vanadium <u>2u</u> P |
| 12. Lead <u>79</u> F | 24. Zinc <u>55</u> P |

Cyanide _____ Percent Solids (%) _____

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: _____

Lab Manager

Kai Dusek

027

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample No.

E4C-013K

Date 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME Weyerhaeuser

CASE NO. 3285H

SOW NO. 784

LAB SAMPLE ID. NO. 99355

QC REPORT NO. 16122

Elements Identified and Measured

Concentration: Low Medium
Matrix: Water Soil Sludge Other

ug/L or mg/kg dry weight (Circle One)

- | | |
|---------------------|----------------------|
| 1. Aluminum | 13. Magnesium |
| 2. Antimony | 14. Manganese |
| 3. Arsenic [9] F | 15. Mercury |
| 4. Barium | 16. Nickel 154 P |
| 5. Beryllium 24 P | 17. Potassium |
| 6. Cadmium 34 P | 18. Selenium [6] F |
| 7. Calcium | 19. Silver |
| 8. Chromium [6] P | 20. Sodium |
| 9. Cobalt 34 P | 21. Thallium |
| 10. Copper 51 P | 22. Tin |
| 11. Iron | 23. Vanadium 24 P |
| 12. Lead 83 F | 24. Zinc 55 P |
| Cyanide | |
| Percent Solids (%) | |

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments:

Lab Manager Karen Dorsey